

553,550

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/095709 A2

(51) International Patent Classification⁷: H03M 1/08, 1/18

(21) International Application Number:
PCT/IB2004/050487

(22) International Filing Date: 22 April 2004 (22.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03101136.4 24 April 2003 (24.04.2003) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

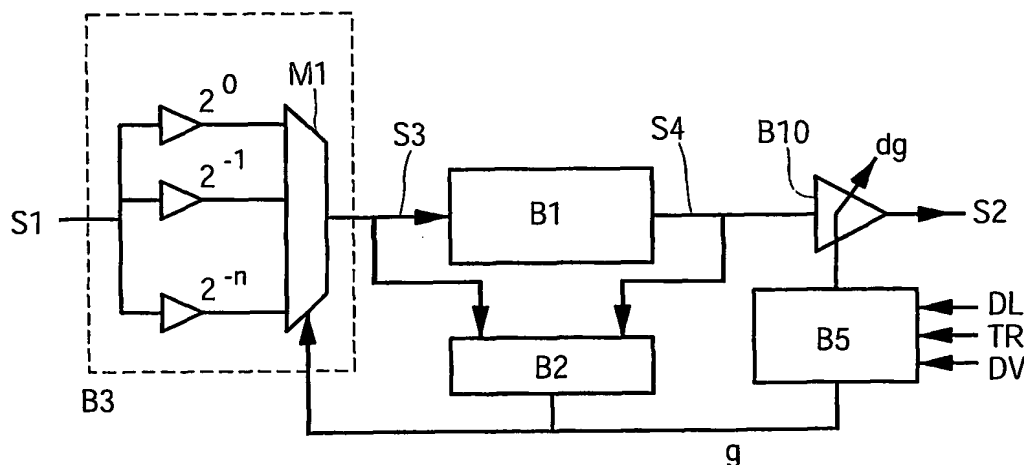
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GAIN COMPENSATION



(57) Abstract: An automatic gain control circuit has a gain determination circuit (B2) which determines a first gain factor (g), and a first gain controller (B3) which controls an amplitude of an input signal (S1) with the first gain factor (g) to supply a gain controlled signal (S3). A processing circuit (B1; B1, B11) with a predetermined limited dynamic range processes the gain controlled signal (S3) to obtain an output signal (S4; S2). The automatic gain control circuit further comprises a compensation circuit (B5) which determines a second gain factor (dg) based on the first gain factor (g) and input parameters (DL, TR, DV) which define a time variation of the second gain factor (dg), and a second gain controller (B1; B10) which receives the second gain factor (dg) to obtain a compensated output signal (S2) that is substantially compensated for an amplitude change of the gain controlled signal (S3) due to a change of the first gain factor (g).

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